

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

Har059

Event #:

3

Ship:

JP Tully

UTC Date (dd/mm/yyyy):

3 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments Save sheet after printing labels NO
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Lugol's	DA	All_Samples			
1	2	1	0	✓ 2.8	x	xx	xx	x	x				
2	1	2	5	✓ 5.2					x				
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ☒ ROS TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 231 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1831	1131
Bottom	1835	1135
End	1843	

Positional Information

Start

Lat: 48 ° 36.710 N

Lon: 123 ° 14.700 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: 48 ° 36.570 N

Lon: 123 ° 14.830 W

Extra comments:

Bottle firing out of order

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

JF2

Event #:

6

Ship:

JP Tully

UTC Date (dd|mm|yyyy):

4 MAR 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HP/LC	Lugols	DA	Var	All Samples		Save sheet after printing labels:	YES
1	2	3	0	✓ 2.7	x	xx	xx	x	x				FL: < 2	
2	1	4	5	✓ 5						X				
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Matchkeeper(s): MB

Bottom Depth: 187 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0624	1724
Bottom	0028	
End	0033	

Positional Information

Start

Lat: 48 ° 18 030 N

Lon: 124 ° 0 030 W

Bottom

Lat: 48 ° 18 046 N

Lon: 124 ° 0 020 W

End

Lat: 48 ° 18 030 N

Lon: 124 ° 0 040 W

Extra comments:

OUT OF ORDER!

Water Properties Group

Program
STN List:

All Sins

Cruise ID:

2021-006

Station:

P1

Event #:

10

Ship:

JP Tully

UTC Date (dd/mm/yyyy):

4 May 2021

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	RF/ML	RF	ML	CHL	HP/LC	HR	DIC	Var	NH4	Core Samples	Save sheet after printing labels		
1	1	5	✓	109.8	X	X			XX								
2	2	6	✓	30.2	XX	X			X								
3	5	7	✓	5.0	X	X			X								
4	6	8	✓	5.0					XX	X							
5	3	9	✓	20.3							X						
6	4	10	✓	9.9								XXXXXX					
7	7	11	✓	5.0								XXXXXX					
8												XXXXXX					
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF HR ML

Bottom Depth: 120 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0735	0035
Bottom	0737	0037
End	0749	0049

Positional Information

Start

Lat: 48 ° 34.480 N

Lon: 125 ° 29.970 W

Bottom

Lat: 48 ° 34.470 N

Lon: 125 ° 29.960 W

End

Lat: 48 ° 34.460 N

Lon: 125 ° 29.930 W

Extra comments:

Out of Order!

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P2

Event #:

11

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 4 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed Pressure	RF/M	ML	Nut-F	Nut-C	HR	HR/RT	TOC	Var	
1		12	Bot-10	✓ 108.2	x		x		x	x			
2		13	100	✓ 100.6	x		x		xx	x			
3		14	75	✓ 75.9	x		x		x	x			
4		15	75	✓ 75.9	x		x		x	x			
5		16	50	✓ 50.9	xx		x		x	xx			
6		17	25	✓ 25.3	x		xx		x	x			
7		18	10	✓ 10.1	x		x		x	x			
8		19	5	✓ 5.5	x		x		x	x			
9		20	5									x	
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 116 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	10 12	03 12
Bottom	10 15	03 15
End	10 27	03 27

Positional Information

Start

Lat: 48 ° 36.002 N

Lon: 125 ° 59.820 W

Bottom

Lat: 48 ° 35.990 N

Lon: 125 ° 59.820 W

End

Lat: 48 ° 35.930 N

Lon: 125 ° 59.740 W

Extra comments:

Deep

Cruise ID: 2021-006

Station: P4

Event #: 16

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 4_1_May_2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: Core_Samples		Comments	
			Target Pressure	Confirmed Pressure	Var					Save sheet after printing labels: YES

Profile type:	ROS	TRM	X-Niskin	other?
Watchkeeper(s):	RF			

Bottom Depth:	1320	m
Transmisso Cleaned:	Y / N	

Time	UTC	Local
Start	1629	0929
Bottom	1632	0932
End	1639	0939

Positional Information

Lat:	48 ° 39.010 N
Lon:	126 ° 39.950 W

Bottom

Lat:	48 ° 39.000 N
Lon:	126 ° 39.940 W

End

Lat:	48 ° 38.980 N
Lon:	126 ° 39.920 W

Extra comments:

UVC

1		31	25	✓ 25.4	X															chl max
2		32	5		X															
3		33	5		X															
4		34	5		X															
5		35	5		X															
6		36	5		X															
7		37	5		X															
8		38	5		X															
9		39	5		X															
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Water Properties Group

Program
STN List:

All Shns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P4

Event #:

20

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 4 May 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	M/KS OXY	M/KS Sal	M/KS Nut-F	M/KS Nut-C	M/KS DIC	M/KS TOC	Core Samples		Save sheet after printing labels:	YES
1		56	Bot-10	✓ 1322	x		x	x	x	x				
2		57	1250	✓ 1250	x	x	x	x	x	x				
3		58	1250	✓ 1250	x	x	x	x	x	x				
4		59	1000	✓ 1000	x	xx	x	x	xx	x				
5		60	800	✓ 800	x	x	xx	xx	x	x				
6		61	600	✓ 600	xx		x	x	x	x				
7		62	400	✓ 401	x		x	x	x	x				
8		63	300	✓ 301	x		x		x	x			Start @ 460m 15 min Set / after	
9		64	250	✓ 250	x		x		x	x				
10		65	200	✓ 201	x		x		x	x				
11		66	175	✓ 175	xx		x		x	x				
12		67	150	✓ 150	x		x		x	x				
13		68	125	✓ 126	x		x		x	x				
14		69	100*	✓ 101	x		x		x	x				
15		70	75*	✓ 75	x		x		x	x				
16		71	50*	✓ 50	xx		xx		x	x				
17		72	25*	✓ 25	x		x		x	x				
18		73	10*	✓ 10	x		x		x	xx				
19		74	5*	✓ 56	x		x		x	x				
20														
21														
22														
23														
24														

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): RF / MS

Bottom Depth: 1325 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1843 1143

Bottom 1906

End 2002

Positional Information

Lat: 48 ° 38.980 N

Lon: 126 ° 39.980 W

Lat: 48 ° 38.980 N

Lon: 126 ° 39.980 W

Lat: 48 ° 38.96 N

Lon: 126 ° 40.00 W

Extra comments:

Deep

* 60 sec soak

Water Properties Group

**Program
STN List:**

All_Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

40

Event #:

23

Ship:

JP Tully

UTC Date (dd|mmm|vvv): 04 | MAY | 21

[illegible]

Profile type:	Go-FRO
ROS TRM X-Niskin	other?
Watchkeeper(s):	KS

Bottom Depth: 1312 m
Transmisso Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	2358	1658
Bottom	0009	1709
End	0017	1717

Positional Information	
Lat:	48 ° 39.09 N
Lon:	126 ° 40.01 W

Lat:	48 ° 39' 13	N
Lon:	126 ° 40' 01	W

Lat:	48 ° 39.1	N
Lon:	126 ° 40.02	W

Extra comments:
TM-75

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P5

Event #:

24

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 5 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var	Core Samples		Save sheet after printing labels:	YES
1	1	85	5	✓ S	x	x	xx	xx				FL: < 2	
2													
3		5024	Loop		x	xx							
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Version: 4MMAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 286 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0741	1941
Bottom	0313	
End	0344	

Positional Information

Start

Lat: 48 ° 41 500 N

Lon: 127 ° 9 980 W

Bottom

Lat: 48 ° 41 477 N

Lon: 127 ° 10 258 W

End

Lat: 48 ° 41 477 N

Lon: 127 ° 10 418 W

Extra comments:

LOOPS

Water Properties Group

Program STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P7

Event #:

26

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 5 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	ML	Var	Core	Samples	Save sheet after printing labels:	YES
1	2	87	5	✓ 5.1		x		x	xx					
2	3	88	5	✓ 5.5						x				
3	1	89	20	✓ 20.2						x				
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: (ROS) TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 2512 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0925	0225
Bottom	1000	0300
End	1035	0335

Positional Information
Start
Lat: 48 ° 46.655 N
Lon: 128 ° 9.960 W

Bottom
Lat: 48 ° 46.610 N
Lon: 128 ° 9.970 W

End
Lat: 48 ° 46.614 N
Lon: 128 ° 9.923 W

Extra comments:
OUT OF ORDER!

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

loop

Event #:

27

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 5 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	CHL	HR	Sal	Nut-F					Save sheet after printing labels: YES
1		5027	Loop			X	X						underway loop
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: Loop

ROS TRM X-Niskin other?

Watchkeeper(s): HR

Bottom Depth: m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1102 0402

Bottom

End

Positional Information

Lat: 48 ° 46.923 N

Lon: 128 ° 14.138 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

loop sample

Water Properties Group

Program STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P8

Event #:

2430

Ship:

JP Tully

UTC Date (dd|mm|yy): 5 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	TOC	Core Samples	Save sheet after printing labels:	

1		90	2000	✓	2002.2	x	xx	x	x			x							
2		91	1500	✓	1502.0	xx	x	x				x							
3		92	1250	✓	1240	x	x	xx	xx										
4		93	1000	✓	1000.8	x	x	x	x										
5		94	800	✓	798.9	x	xx	x	x										
6		95	600	✓	601.6	x		x	x										
7		96	400	✓	399.2	x		x	x										
8		97	300	✓	301.0	x		x											
9		98	250	✓	250.9	xx		x											
10		99	200	✓	200.4	x		x											
11		100	175	✓	174.6	x		x											
12		101	150	✓	149.5	x		x											
13		102	125	✓	124.5	xx		x											
14		103	100*	✓	100.9	x		x											
15		104	75*	✓	74.3	x		xx											
16		105	60*	✓	60.8	x		x											
17		106	50*	✓	49.8	x		x											
18		107	40*	✓	39.1	x		x											
19		108	30*	✓	30.6	xx		x											
20		109	25*	✓	26.6	x		x											
21		110	20*	✓	21.3	x		x											
22		111	15*	✓	14.9	x		x											
23		112	10*	✓	11.2	x		x											
24		113	5*	✓	4.9	x		x											

Profile type:	ROS	TRM	X-Niskin	other?
Watchkeeper(s):	RF			

Bottom Depth:	2527	m
Transmisso Cleaned:	(Y) 1 N	

Time	UTC	Local
Start	1523	0823
Bottom	1558	0858
End	1658	0958

Positional Information

Lat:	48	°	49.050	N
Lon:	128	°	40.070	W

Lat:	48	°	48.960	N
Lon:	128	°	40.110	W

Lat:	48	°	48.890	N
Lon:	128	°	40.250	W

Extra comments:

* 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P9

Event #:

31

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 5 MAR 21

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Sal Nut-F CHL HPLC Var

Sample Lists: Core Samples

Comments

Save sheet after printing labels: YES

Profile type:

(ROS) TRM X-Niskin other?

Watchkeeper(s):

MS

Bottom Depth: 2330 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 1912 1212

Bottom 1945

End 2018

Positional Information

Lat: 48 ° 51 420 N

Lon: 129 ° 9 820 W

Bottom

Lat: 48 ° 51.49 N

Lon: 129 ° 09.50 W

End

Lat: 48 ° 51.46 N

Lon: 129 ° 09.32 W

Extra comments:

LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P11

Event #:

34

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

6 MAY 2021

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Sal Nut-F CHL HPLC Bulk

Sample Lists: All Samples

Comments

Save sheet after printing labels:
YES

Profile type:

RO~~S~~ TRM X-Niskin other?
Watchkeeper(s):

MS

Bottom Depth: 2761 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0529 19

Bottom 0250

End 0325

Positional Information

Lat: 48 ° 56 020 N

Lon: 130 ° 9 980 W

Lat: 48 ° 56 040 N

Lon: 130 ° 9 700 W

Bottom

Lat: 48 ° 56 050 N

Lon: 130 ° 9 360 W

End

Extra comments:

LNSW - Low Nutrient Sea Water

OUT OF ORDER

All_Sins

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P12

Event #:

2

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 06/05/2021

Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples			Comments	
Target	Confirmed	IOS	IOS	IOS	UBC	UBC	UBC	UBC				
Pressure	✓ Pressure	DME	TME	Lig	DmeUBC	TMeUBC	Sepp	Lead	Nut-F	Nut-C	Sai	

Save sheet after printing labels: YES

Profile type:
 ROS TRM X-Niskin other?
 Watchkeeper(s): K5

Bottom Depth: 3241 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0548	2248
Bottom	0620	2320
End	0656	2356

Positional Information	
Lat: 48 ° 58.30	N
Lon: 130 ° 40.01	W

Lat:	48 ° 58.41	N
Lon:	130 ° 39.81	W

Lat: 48 ° 58.451 N
Lon: 130 ° 39.761 W

Extra comments:
TM-800
Nothing to comment
Duplicate switched
to Bottle 6 b/c

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

UTC Date (dd|mm|yyyy): 6 May 2021

Profile type:
ROS ~~CRIM~~ X-Nisikin other?
Watchkeeper(s): KS

Bottom Depth:	3258	m
Transmisso Cleaned:	Y	/ N

Time	UTC	Local
Start	0827	0127
Bottom	0838	0138
End	0852	0152

Lat:	48 ° 58.274 N
Lon:	130 ° 40.010 W

Lat:	48 ° 58.303 N
Lon:	130 ° 40.006 W

End	Lat: 48 ° 58.260 N	Lon: 130 ° 40.007 W
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Extra comments:

TM-75

Went well.

[illegible]

Water Properties Group

Program
STN List: All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P12

Event #:

39

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 6 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	DIC	TOC	Core Samples	Save sheet after printing labels:	YES	
1		131	Bot-10	✓ 3275.1	xx		x	x	x	x				
2		132	3000	✓ 2999.9	x	x	x	x	x	x				
3		133	3000	✓ 2999.9	x	x	x	x	x	x				
4		134	2500	✓ 2999.7	x	x	x	x	x	x				
5		135	2000	✓ 2000.1	x	xx	x	x	x	x				
6		136	1500	✓ 1497.9	xx	x	x	x	x	x				
7		137	1250	✓ 1249.9	x	x	xx	xx	x	x				
8		138	1000	✓ 1001.2	x	x	x	x	x	x				
9		139	800	✓ 799.8	x		x	x	xx	x				
10		140	600	✓ 600.0	x		x	x	x	x				
11		141	400	✓ 398.9	x		x	x	x	x				
12		142	300	✓ 302.0	x		x		x	x				
13		143	250	✓ 250.0	xx		x		x	x				
14		144	200	✓ 200.4	x		x		x	x				
15		145	175	✓ 175.0	x		xx		x	x				
16		146	150	✓ 150.1	x		x		x	x				
17		147	125	✓ 125.4	x		x		x	x				
18		148	100*	✓ 99.1	x		x		x	x				
19		149	75*	✓ 75.4	x		x		x	x				
20		150	50*	✓ 50.9	x		x		x	x				
21		151	25*	✓ 25.1	x		x		x	x				
22		152	10*	✓ 10.5	x		x		x	xx				
23		153	5*	✓ 5.4	xx		x		x	x				
24														

Version: 4M/R2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 3237 m
Transmisso Cleaned: (Y) / N

Time		UTC	Local
Start		0949	0249
Bottom		1048	0348
End		1204	0504

Positional Information

Start
Lat: 48 ° 58.133 N
Lon: 130 ° 39.860 W

Bottom
Lat: 48 ° 58.180 N
Lon: 130 ° 40.010 W

End
Lat: 48 ° 58.180 N
Lon: 130 ° 39.960 W

Extra comments:
Deep

* 60 sec soak

Water Properties Group

Program
STN List: All Sns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P12

Event #:

40

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 06 | MA | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed Pressure	Var								Save sheet after printing labels: YES
1		154	Chl Max	✓ 55	X								
2		155	5	✓ 5	X								
3		156	5	✓ 5	X								
4		157	5	✓ 5	X								
5		158	5	✓ 5	X								
6		159	5	✓ 5	X								
7		160	5	✓ 5	X								
8		161	5	✓ 5	X								
9		162	5	✓ 5	X								
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MR

Bottom Depth: 3236 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1342	0642
Bottom	1345	
End	1351	

Positional Information

Start

Lat: 48° 58.25 N

Lon: 130° 39.91 W

Bottom

Lat: 48° 58.23 N

Lon: 130° 39.94 W

End

Lat: 48° 58.26 N

Lon: 130° 39.95 W

Extra comments:

UVC

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P12

Event #:

41

Ship:

JP Tully

UTC Date (dd|mm|yy):

06 | 11 | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed ☒ Pressure	DMS	DMS-P-4	DMS-P-4	Nut-F	CHL	HPLC	Lugol's	Form	Glut	DA	Save sheet after printing labels:	YES
1		163	400	✓ 400	X	X	X	X								
2		164	200	✓ 200	X	X	X	XX								
3		165	150	✓ 150	X	X	X	X								
4		166	100*	✓ 100	X			X	X							
5		167	75*	✓ 74	X			X	XX							
6		168	60*	✓ 60				X	X	XX						
7		169	50*	✓ 50	X			X	X	XX						
8		170	40*	✓ 40	X			X	X	XX						
9		171	30*	✓ 30	X	X	X	X	X	XX						
10		172	25*	✓ 25	X			X	X							
11		173	20*	✓ 20	XX	XX	XX	X	X							
12		174	15*	✓ 15	X			X	X	XX						
13		175	10*	✓ 10	X			X	XX							
14		176	5*	✓ 5	X	X	X	X								
15		177	5	✓ 5				X	X	XX						
16		178	0*	✓ -3	X	X	X	X	X							
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:

ROS

TRM X-Niskin other?

Watchkeeper(s): HR

Bottom Depth: 3236 m

Transmisso Cleaned: (Y) 1 N

Time		UTC	Local
Start		1418	0718
Bottom		1426	
End		1451	

Positional Information

Start

Lat: 48 ° 58.24 N

Lon: 130 ° 39.92 W

Bottom

Lat: 48 ° 58.23 N

Lon: 130 ° 39.92 W

End

Lat: 48 ° 58.31 N

Lon: 130 ° 39.92 W

Extra comments:

DMS

* 60 sec soak

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P13

Event #:

42 43

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 06 05 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HP/LC	Var	Core	Samples	Save sheet after printing labels:	YES
1		179	5	✓	x	x	xx	xx					
2		180	5	✓					X				
3		5042	Loop		x		xx						
4		5043											
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: (ROS/TRM X-Niskin other?)
Watchkeeper(s): MG

Bottom Depth: 3023 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 2019 1315
Bottom 2054
End 2130

Positional Information
Lat: 49 ° 02 46 N
Lon: 131 ° 40 02 W

Bottom
Lat: 49 ° 02 27 N
Lon: 131 ° 40 36 W

End
Lat: 49 ° 02 19 N
Lon: 131 ° 40 37 W

Extra comments:
1 SAL 2 CHL
LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P14

Event #:

45

Ship:

JP Tully

UTC Date (dd mmm/yyyy): 06/10/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	MS	MS	MS	MS	MS	MS	Core	Samples			Save sheet after printing labels	YES
1		181	2000	✓ 2001	xx				x							
2		182	1750	✓ 1750	x				x							
3		183	1500	✓ 1499	x				x							
4		184	1250	✓ 1250	x				x							
5		185	1000	✓ 1001	x				x							
6		186	800	✓ 799					x							
7		187	600	✓ 600					x							
8		188	400	✓ 400					x							
9		189	300	✓ 300					x							
10		190	250	✓ 251					x							
11		191	200	✓ 201					x							
12		192	175	✓ 175					x							
13		193	150	✓ 150					x							
14		194	125	✓ 126					x							
15		195	100	✓ 100					x							
16		196	75	✓ 76					x							
17		197	50	✓ 51					x							
18		198	25	✓ 25					x							
19		199	10	✓ 10					x							
20		200	5	✓ 5		x	x	xx	xx							
21																
22																
23																
24																

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeepers: Mg

Bottom Depth: 3321 m
Transmisso Cleaned: ☒ Y / ☐ N

Time UTC Local
Start 0158 1858
Bottom 0230
End 0331

Positional Information
Lat: 49 ° 67.46 N
Lon: 32 ° 39.89 W

Bottom
Lat: 49 ° 07.38 N
Lon: 32 ° 39.97 W

End
Lat: 49 ° 07.30 N
Lon: 32 ° 39.99 W

Extra comments:

Water Properties Group

Program STN List: All Sims

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P15

Event #:

46

Ship:

JP Tully

UTC Date (dd|mm|yyyy): May 17, 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples		Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var				
1	1	201	5	✓ 5.2	x	x	xx	xx					
2													
3		5046	Loop		x		xx						
4	2	202	5	✓ 5.2					X				
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 3393 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0807	0107
Bottom	0841	0141
End	0914	0214

Positional Information

Start

Lat: 49 ° 11 . 970 N
Lon: 133 ° 39.900 W

Bottom

Lat: 49 ° 11 . 948 N
Lon: 133 ° 40.021 W

End

Lat: 49 ° 11 . 892 N
Lon: 133 ° 40.002 W

Extra comments:

LOOPS

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P16

Event #:

50

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 2 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: Core Samples		Comments
			Target Pressure	Confirmed Pressure	ML Var				
1		203	Chl Max	✓ 58.5	X				target: 58 m
2		204	5	✓ 5	X				
3		205	5	✓ 5	X				
4		206	5	✓ 5	X				
5		207	5	✓ 5	X				
6		208	5	✓ 5	X				
7		209	5	✓ 5	X				
8		210	5	✓ 5	X				
9		211	5	✓ 5	X				
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 36+3 31 m

Transmisso Cleaned: ☒ Y ☐ N

Time		UTC	Local
Start		1526	0826
Bottom		1530	0830
End		1536	0836

Positional Information

Lat: 49 ° 16.991 N

Lon: 134 ° 39.954 W

Bottom

Lat: 49 ° 17.010 N

Lon: 134 ° 39.910 W

End

Lat: 49 ° 17.040 N

Lon: 134 ° 39.860 W

Extra comments:

UVC

Nothing to remark

Water Properties Group

**Program
STN List:**

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P16

Event #:

51

Ship:

JP Tully

UTC Date (dd|mmm|yyy): 7 | MAY | 2011.

2021

[illegible]

Profile type:	GO-FL0
ROS TRM	X-Niskin other?
Watchkeeper(s):	KS

Bottom Depth: 3630 m
Transmissio Cleaned: Y / N

Time	UTC	Local
Start	1613	0913
Bottom	1623	
End	1633	

Positional Information	
Lat: 49 ° 17.01	N
Lon: 134 ° 39.92	W

Lat: 49 ° 16.98 N
Lon: 134 ° 39.93 W

Lat:	49° 16.87	N
Lon:	134° 39.88	W

Extra comments:
TM-75

[illegible]

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P16

Event #:

52

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 7 May 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Core Samples		Comments	
			Target Pressure	Confirmed Pressure	M8/M9	M6/M9	M4/M8	M5	Nut-F	Nut-C	DIC	M6	TOC			Save sheet after printing labels: YES
1		216	Bot-10	✓	3687.6	x		x	x			x				
2		217	3500	✓	3499.8	x	x	x	x			x				
3		218	3000	✓	3002	x	x	x	x			x				
4		219	3000	✓	3002	x	x	x	x			x				
5		220	2500	✓	2501.6	xx	xx	x	x			x				
6		221	2000	✓	2002.0	x	x	x	x			x				
7		222	1500	✓	1498.1	x	x	x	x			x				
8		223	1250	✓	1249.9	xx	xx	x	x			x				
9		224	1000	✓	1000	x	x	x	x			x				
10		225	800	✓	802	x		x	x			x				
11		226	600	✓	601	x		x	x			x				
12		227	400	✓	400	x		xx	xx			x				
13		228	300	✓	299	x		x				x				
14		229	250	✓	250	x		x				x				
15		230	200	✓	200	x		x				x				
16		231	175	✓	175	xx		x				x				
17		232	150	✓	150	x		xx				x				
18		233	125	✓	126	x		x				x				
19		234	100*	✓	101	x		x				x				
20		235	75*	✓	75	xx		x				x				
21		236	50*	✓	51	x		x				x				
22		237	25*	✓	25	x		x				xx				
23		238	10*	✓	11	x		x				x				
24		239	5*	✓	5	x						x				

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 3630 m
Transmisso Cleaned: P1 N

Time	UTC	Local
Start	1644	160944
Bottom	1752	1052
End	1923	

Positional Information
Lat: 49 ° 16.980 N
Lon: 134 ° 40.080 W

Bottom
Lat: 49 ° 16.820 N
Lon: 134 ° 40.020 W

End
Lat: 49 ° 16.97 N
Lon: 134 ° 40.00 W

Extra comments:
Deep
* 60 sec soak

All_Stns

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

JP Tully

UTC Date (dd/mm/yyyy): 7 May 2021

Profile type: Go-Fros
ROS TRM X-Niskin other?
Watchkeeper(s): KS

Bottom Depth: 3630 m
Transmisso Cleared: Y/N

Time	UTC	Local
Start	2017	1317
Bottom	2043	
End	2113	

Lat:	49° 17.11	N
Lon:	134° 39.94	W

Lat:	49 ° 17.20	N
Lon:	134 ° 39.84	W

Lat:	49° 17' 20"	N
Lon:	134° 39' 63"	W

Extra comments:

TM-800

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

[illegible]

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P16

Event #: 54

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 07_105_2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	MK	DMS	PLA	DMS-P-1	DMS-P-1	Nut-F	CHL	MK/HL	MK	Lugol's	Form	Glut	

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): MK

Bottom Depth: 3631 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2126	1426
Bottom	2134	
End	2204	

Positional Information
Lat: 49 ° 17.42 N
Lon: 134 ° 39.72 W

Bottom
Lat: 49 ° 17.43 N
Lon: 134 ° 39.67 W

End
Lat: 49 ° 17.40 N
Lon: 134 ° 39.51 W

Extra comments:
DMS
* 60 sec soak

1		246	400	✓	400	X	X	X	X										
2		247	200	✓	200	X	X	X	X										
3		248	150	✓	151	X	X	X	X										
4		249	100*	✓	99	X			X	X									
5		250	75*	✓	77	X			X	X									
6		251	60*	✓	59				X	X	XX								
7		252	50*	✓	51	X			X	X	XX								
8		253	40*	✓	41	X			X	X	XX								
9		254	30*	✓	30	X	X	X	X	X	XX								
10		255	25*	✓	25	X			X	X									
11		256	20*	✓	21	XX	XX	XX	X	XX									
12		257	15*	✓	14	X			X	X	XX								
13		258	10*	✓	10	X			X	X									
14		259	5*	✓	5	X	X	X	X										
15		260	5	✓	6				XX	X	XX								
16		261	0*	✓	3.4	X	X	X	X	XX									
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P17

Event #:

55

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 8 May 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var	Core	Samples	Save sheet after printing labels:	YES
1	1	262	Max	✓ 50					X			NO CLEAR ^{max} UVIC	
2	2	263	5	✓ 6					X			UVIC	
3	3	264	5	✓ 6	X	X	XX	XX					
4		5055	Loop		X		XX						
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): MS

Bottom Depth: 2340 m

Transmisso Cleaned: Y / N

Time

UTCLocal

Start02541954

Bottom0325

End0358

Positional Information

Start

Lat: 49 ° 20 990 N

Lon: 135 ° 39 860 W

Bottom

Lat: 49 ° 20 948 N

Lon: 135 ° 39 829 W

End

Lat: 49 ° 20 916 N

Lon: 135 ° 39 803 W

Extra comments:

LOOPS

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

UTC Date (dd|mmm|yyyy): 01 | 01 | 2021

Watchkeeper(s): RF

Transmisso Cleaned: Y / N

End	0957	0257
-----	------	------

▶

End

*** 60 sec soak**

Cruise ID: 2021-006		Station: P18		Event #.		Core Samples		Comments						
Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Save sheet after printing labels	
			Target Pressure	Confirmed Pressure	ML	Sail	Nut-F	CHL	HPIC	TOC	Var			
1		265	2000	✓ 2000.2		xx				x				
2		266	1750	✓ 1750.0		x				x				
3		267	1500	✓ 1501.1		x				x				
4		268	1250	✓ 1250.3		x				x				
5		269	1000	✓ 999.6		x				x				
6		270	800	✓ 799.6						x				
7		271	600	✓ 599.4						x				
8		272	400	✓ 399.9						x				
9		273	300	✓ 300.1						x				
10		274	250	✓ 249.0						x				
11		275	200	✓ 200.1						x				
12		276	175	✓ 174.9						x				
13		277	150	✓ 149.9						x				
14		278	125	✓ 125.8						x				
15		279	100*	✓ 99.8						x				
16		280	75*	✓ 74.9						x				
17		281	50*	✓ 49.3						x				
18		282	25*	✓ 25.6						x				
19		283	10*	✓ 9.4						x				
20		284	5*	✓ 4.2			x	x	xx	xx				
21														
22														
23														
24														

Only 305 w/o. + fin. = 11

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P20

Event #:

58

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 08 | 05 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments
			Target Pressure	Confirmed Pressure					Core Samples				
				✓		Var	ML						0.92
1		288	Chl Max	✓	5.8	X							
2		289	5	✓	5.1	X							
3		290	5	✓	5.4	X							
4		291	5	✓	5.4	X							
5		292	5	✓	5.0	X							
6		293	5	✓	5.0	X							
7		294	5	✓	5.3	X							
8		295	5	✓	5.5	X							
9		296	5	✓	5.5	X							
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Save sheet after printing labels: YES

Profile type: (ROS) TRM X-Niskin other?
Watchkeeper(s): MS

Bottom Depth: 3953 m
Transmisso Cleaned: (Y) / N

Time UTC Local
Start 2103 1403
Bottom 2107
End 2115

Positional Information
Lat: 49 ° 33.95 N
Lon: 138 ° 39.88 W

Bottom
Lat: 49 ° 33.94 N
Lon: 138 ° 39.85 W

End
Lat: 49 ° 33.88 N
Lon: 138 ° 39.75 W

Extra comments:
UVic

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P20

Event #:

29

ships:

JP Lilly

DIC Date (dd/mm/yyyy):

08-MA1-2021

[illegible]

Profile type:	Go-FLD
ROS TRM	X-Niskin
other?	
Watchkeeper(s):	KS

[illegible]

Bottom Depth: 3953 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	21:20	14:20
Bottom	21:29	
End	21:38	

Positional Information	
Lat: 49 ° 33.84	N
Lon: 138 ° 39.73	W

Bottom	
Lat: 49 ° 33.75	
Lon: 138 ° 39.65 W	

Lat:	39	°	33	67	1
Lon:	38	°	39	60	W

Extra comments:
TM-75

All Sins

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P20

Event#:

63

Ships

JP Tuily

UTC Date (dd|mmm|yyyy): 9/11/21

Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:			Comments		
Target	Confirmed	IOS	IOS	IOS	UBC	UBC	UBC	Core_Samples					
Pressure	✓ Pressure	DIme	TMe	Lig	DImeUBC	TMeUBC	Sepp	Lead	Nut-F	Nut-C	Sal		
800		X	X						Y	Y	Y		
Save sheet after printing labels:													
YES													

Profile type:	(201)
ROS TRM	X-Niskin
other?	
Watchkeeper(s):	KS

Bottom Depth:	3955	m
Transmisso Cleaned:	NA	Y / N

Time	UTC	Local
Start	0036	1736
Bottom	0104	
End	0136	

Positional Information	
Lat:	49 ° 33 36 N
Lon:	138 ° 39 95 W

Lat:	49 ° 33 13	N
Lon:	138 ° 39 94	W

Lat:	49 ° 32 91	N
Lon:	138 ° 39 97	W

Extra comments:

TM-800

Water Properties Group

Program STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P20

Event #:

64

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 9/11/2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	mg/m ³ OXY	Sal	Nut-F	Nut-C	K _{SI} (^m) DIC	TOC	Core Samples	Save sheet after printing labels:	YES	
1	1	323	Bot-10	✓ 4025	x		x	x	x	x				
2	2	324	3500	✓ 3500	xx	xx	x	x	x	x				
3	3	325	3000	✓ 3000	x	x	x	x	x	x				
4	4	326	3000	✓ 3000	x	x	x	x	x	x				
5	5	327	2500	✓ 2500	x	xx	xx	xx	x	x				
6	6	328	2000	✓ 2000	x	x	x	x	x	x				
7	7	329	1500	✓ 1500	x	x	x	x	x	x				
8	8	330	1250	✓ 1250	x	x	x	x	x	x				
9	9	331	1000	✓ 1000	xx	x	x	x	x	x				
10	10	332	800	✓ 800	x		x	x	x	x				
11	11	333	600	✓ 600	x		x	x	xx	x				
12	12	334	400	✓ 400	x		x	x	x	x				
13	13	335	300	✓ 300	x		xx		x	x				
14	14	336	250	✓ 250	xx		x		x	x				
15	15	337	200	✓ 200	x		x		x	x				
16	16	338	175	✓ 175	x		x		x	x				
17	17	339	150	✓ 150	x		x		x	x				
18	18	340	125	✓ 125	x		x		x	x				
19	19	341	100*	✓ 100	x		x		x	x				
20	20	342	75*	✓ 75	x		x		x	x				
21	21	343	50*	✓ 50	x		x		x	xx				
22	22	344	25*	✓ 25	x		x		x	x				
23	23	345	10*	✓ 10	xx		x		x	x				
24		346	5*	✓ 5	x		x		x	x				

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): MK

Bottom Depth: 3960 4025 m
Transmisso Cleaned: (Y) 1 N

Time UTC Local
Start 0207 1907
Bottom 0214
End 0450

Positional Information
Start
Lat: 49 ° 34 03 N
Lon: 138 ° 40 03 W

Bottom
Lat: 49 ° 33 81 N
Lon: 138 ° 40 17 W

End
Lat: 49 ° 33 790 N
Lon: 138 ° 40 380 W

Extra comments:
Deep
* 60 sec soak

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P21

Event #:

66

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 4 May 2021

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

HR HR HR HR HR HR
Sal Nut-F CHL HPLC Var

Sample Lists: Core Samples

Comments

Save sheet after printing labels: YES

Profile type:

ROS TRM X-Niskin other?
Watchkeeper(s): RF

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var	Core Samples	Comments
1	2	347	5	✓ 5.5	X	X	XX	XX	X		
2	3	348	5	✓ 4.5					X		
3		5066	Loop		X		XX				
4	1	349	65	✓ 65.4					X		Chlorophyll max 65
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

Bottom Depth: 3949 m
Transmisso Cleaned: 621 N

Time UTC Local
Start 0908 0208
Bottom 0944 0244
End 1021 0321

Positional Information
Start
Lat: 49 ° 38.090 N
Lon: 134 ° 40.100 W

Bottom
Lat: 49 ° 38.040 N
Lon: 134 ° 39.970 W

End
Lat: 49 ° 38.030 N
Lon: 134 ° 39.960 W

Extra comments:
OUT-OF-ORDER
LOOPS

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

UTC Date (dd|mm|yyyy): 1991 1204

Watchkeeper(s): RF

Q/N

Bottom	1531	0831
--------	------	------

Lon: 18140 410.040 W

Lon: 140 ° 40.000 W

Lon: 140° 40.030 W

* 60 sec soak

Profile type:		
☒ ROS	☐ TRM	☐ X-Niskin other?
Watchkeeper(s): RF		

Bottom Depth:	3880	m
Transmisso Cleaned: ☒ Y / ☐ N		

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	1455	0755
Bottom	1531	0831
End	1629	0929

Positional Information

Lat:	49 ° 42.060	N
Lon:	18 140 40.040	W

▼

Lat:	49 ° 42.020	N
Lon:	140 ° 40.000	W

▼

Lat:	49 ° 42.000	N
Lon:	140 ° 40.030	W

Extra comments:

out of order!

 * 60 sec soak

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P23

Event #:

69

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 09|05|2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments Save sheet after printing labels.
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPIC	Var	Chuk	Core	Samples	
1		372	2005	✓						X			
2		373	Max	✓					X				0.94
3		374	5	✓					X				
4		375	5	✓	X	X	XX	XX					
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): M6

Bottom Depth: 4039 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2045	1345
Bottom	2118	
End	2153	

Positional Information

Start
Lat: 49 ° 46.05 N
Lon: 141 ° 39.93 W

Bottom
Lat: 49 ° 46.06 N
Lon: 141 ° 39.87 W

End
Lat: 49 ° 46.07 N
Lon: 141 ° 39.84 W

Extra comments:

DEEP WATER
CHL MAX + 402

Water Properties Group

Program STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P24

Event #:

70

471

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 10 May 21

Niskin #

Firing #

Sample #

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): M8

Bottom Depth: 2975 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 0204 1904

Bottom 0240

End 0331

Positional Information

Lat: 49 ° 50 230 N

Lon: 142 ° 410 070 W

Lat: 49 ° 50 221 N

Lon: 142 ° 39 950 W

Lat: 49 ° 50 231 N

Lon: 142 ° 39 929 W

Extra comments:

* 60 sec soak

Water Properties Group

Program STN List: All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P25

Event #:

72

Ship:

JP Tully

UTC Date (dd|mm|yyyy): May 10 2001

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples		Comments
			Target Pressure	Confirmed Pressure	Sal	Nit-F	CHL	HPIC	HL	Var			
1	2	396	5	✓ 5.9	x	x	xx	xx					
2	3	397	5	✓ 5.9					X				
3		5072	Loop		x		xx						
4	1	398	50	✓ 50.3					X				Chlorophyll max
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Version: 4MAR2021

Transmissometer to be cleaned before each cast, do not use Ammonia products

Profile type: [ROS] TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 4130 m
Transmisso Cleaned: 01 N

Time	UTC	Local
Start	0809	0109
Bottom	0845	0145
End	0118	0219

Positional Information

Start

Lat: 50 ° 0.030 N
Lon: 143 ° 36.220 W

Bottom

Lat: 50 ° 0.000 N
Lon: 143 ° 36.120 W

End

Lat: 49 ° 59.980 N
Lon: 143 ° 36.160 W

Extra comments:
Nothing to remark.
LOOPS OUT OF ORDER

Water Properties Group

Program
STN List:

All_Sms

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P35

Event #:

74

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 10 | 05 | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Sal	Nut-F	CHL	HPLC	Var		Core Samples		Save sheet after printing labels:	YES
1	1	399	2005	✓ 2007.1	x								Salt water	
2	2	400	2005	✓ 2006.7	x								Salt water	
3	3	401	5	✓ 6.0		x	x	xx						
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Version: 4MAR2021 Transmittometer to be cleaned before each cast, do not use Ammonia products

Profile type: (ROS) TRM X-Niskin other?

Watchkeeper(s): HS

Bottom Depth: 4138 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 12:33 05:33

Bottom 13:09 06:09

End 13:44 11

Positional Information

Lat: 50 ° 0 . 047 N

Lon: 144 ° 18 . 221 W

Bottom

Lat: 50 ° 0 026 N

Lon: 144 ° 18 . 083 W

End

Lat: 50 ° 00.02 N

Lon: 144 ° 18 05 W

Extra comments:

NOTE: Labels are for the carboy, not for samples

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P26

Event #:

75

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 10 May 2021

Niskin # Firing # Sample #

Rosette Operation
Target Pressure
Confirmed Pressure

Sampler's Initials / Samples Taken
Var

Sample Lists: Core Samples

Comments
Save sheet after printing labels:
YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): HS

Bottom Depth: 4240 m

Transmisso Cleaned: Y / N

Time		UTC	Local
Start	16:57	9:57	
Bottom	17:01	10:01	
End	17:07	10:07	

Positional Information

Lat: 50 ° 00.30 N
Lon: 144 ° 59.944 W

Lat: 50 ° 00.48 N
Lon: 144 ° 59.912 W

Lat: 50 ° 00.70 N
Lon: 144 ° 59.909 W

Extra comments:

UVic

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P26

Event #:

76

Ship:

JP Tully

UTC Date (dd|mm|yyyy): 10 May 2021

Niskin #

Firing #

Sample #

Rosette Operation

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Target Pressure

Confirmed

Pressure

DME

TMe

Lig

DMEUBC

TMeUBC

Sepe

UBC

Lead

Nut-F

Nut-C

Sal

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P26

Event #:

79

Ship:

JP Tully

UTC Date (dd/mm/yyyy): 11 May 21

Niskin

#

Firing

#

Sample

#

Rosette Operation

Target Pressure

Confirmed

Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): M2/M3/M4

Bottom Depth: 4250 m

Transmisso Cleaned: Y N

Time UTC Local

Start 0023 1723

Bottom 0029

End 0055

Positional Information

Lat: 49° 59.96 N

Lon: 145° 00.01 W

Lat: 49° 59.97 N

Lon: 145° 00.03 W

Lat: 49° 59.96 N

Lon: 145° 00.09 W

Lat: 49° 59.96 N

Lon: 145° 00.09 W

Extra comments:

DMS

* 60 sec soak

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

P26

Event #:

83

Ship:

JP Tuily

UTC Date (dd|mmm|yyyy):

11/21/21

Profile type:

607

[illegible]**Watchkeeper(s):**

五

Niskin #	Firing #	Sample #
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

#

✱

#

Rosette Operation	
Target	Confirmed
Pressure	✓ Pressure

Sampler's Initials / Samples Taken				
IOS	IOS	IOS	UBC	UBC
DMe	TMe	Lig	DMeUBC	TMeUBC

Sample Lists: Core_Samples			
UBC			
Lead	Nutr-F	Nutr-C	Sal

Comments
Save sheet after printing labels.
YES

Bottom Depth: 4750 m

Transmisso Cleaned: Y / N

Time	UTC	Local
------	-----	-------

Start	0305	2005
-------	------	------

Bottom	0320	
--------	------	--

End	0336	
-----	------	--

Positional Information

Lat: 50° 00' 43" N

Lon: 144° 59' 27" W

—

Lat: 50° 00' 37" N

Lon: 144 3117 W

2

Lat:	50	00	27
Long:	10	00	00

100

Extra comments:

TM-10

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2021-006

Station:

PA-015

Event #:

84

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

11/m/21

Niskin #

Rosette Operation
Target Pressure

Sample #

Confirmed Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments
Save sheet after printing labels: YES

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): W3

Bottom Depth: 4250 m
Transmisso Cleaned: Y N

Time UTC Local
Start 0446 2146
Bottom 0451
End 0501

Positional Information
Lat: 50 ° 6 970 N
Lon: 144 ° 48 980 W

Bottom
Lat: 50 ° 6 960 N
Lon: 144 ° 48 979 W

End
Lat: 50 ° 6 964 N
Lon: 144 ° 48 926 W

Extra comments:
CTD to 350 m.

Version: 4MAR2021
Transmissometer to be cleaned before each cast, do not use Ammonia products